



DEPARTMENT OF ORAL PATHOLOGY

Robert B. Brannon, Col, USAF, DC
Chairperson
Date of appointment - 27 August 1993

MISSION

The Department of Oral Pathology provides consultative diagnostic expertise for diseases that affect the oral mucosa and soft tissues, the jaws, and the major and minor salivary glands and enhances the understanding of these diseases through research and education. Additionally, it supports the Office of the Armed Forces Medical Examiner by providing expertise in forensic dentistry.

STAFF

Professional

- Robert B. Brannon, Col, USAF, DC, Chairperson
- Gary L. Ellis, DDS, Veterans Affairs, Assistant Chairperson
- (D) Paul L. Auclair, CAPT, DC, USN,
Theodore Zislis, COL, DC, USA
- (D) Harvey P. Kessler, COL, DC, USA
Lee J. Slater, Col, USAF, DC
Robert K. Goode, Col, USAF, DC
Charles W. Pemble, LtCol, USAF, DC, Chief of Forensic Dentistry
Dale V. Watkins, Jr., LCDR, DC, USN
- (A) Paul C. Shick, LCDR, DC, USN, Associate Staff
- (D) Craig C. Willard, MAJ, DC, USA, Associate Staff
- (A) Duane R. Schafer, LCDR, DC, USN, Resident
- (A) Christopher G. Fielding, MAJ, DC, USA, Resident

Administrative

Patricia Ashburn, Secretary

CONSULTATION

Cases

<i>Description</i>	<i>Received (Total numbers only)</i>
Military	375
Federal (VA/PHS)	182
Civilian	955
Interdepartmental	177

Surgical consultation cases for jaw lesions are frequently accompanied by radiographs. The number of radiographs reviewed was approximately 300.

Cases accessioned to the Department of Oral Pathology included lesions of major and minor salivary glands, jaws, oral mucosal and soft tissues and extranodal lymphoreticular lesions involving oral hard and soft tissues, including salivary gland parenchyma. The most common lesions reviewed were those of major and minor salivary glands, which comprised approximately 35% of the

accessioned cases. The types of cases sought by the department continue to emphasize salivary gland and odontogenic neoplasms and diseases.

Forensic dental identification consultative support was provided for the Office of the Armed Forces Medical Examiner for the following operations:

Date	Agency supported	Casualties
AUG 1995	Dept. of Defense	4
SEP 1995	Dept. of Defense	24
OCT 1995	Dept. of Defense	6
NOV 1995	Dept. of Defense	5
Operations supported = 4		Casualties = 39

RESEARCH

The primary research goal of the Department of Oral Pathology is to increase the understanding of diseases that affect oral and paraoral tissues. In many instances large series of cases are retrospectively studied to test hypotheses that have clinical relevance pertaining to diagnosis, treatment, and prognosis. Often the number of cases from the AFIP files of the disease studied is the largest in existence worldwide .

The staff is currently involved in research on the following subjects:

1. Osteosarcoma of the jaws
2. Myofibromas of the oral region
3. Malignant lymphomas of the major salivary glands
4. Immunohistochemical profile of salivary gland neoplasms
5. Desmoplastic ameloblastoma
6. Clear cell adenocarcinomas of salivary glands
7. Clear cell odontogenic tumors
8. Polymorphous low-grade adenocarcinoma
9. Alveolar soft part sarcoma of the head and neck
10. Juvenile active ossifying fibromas of the jaws
11. HIV-related adenopathy of the tonsils and parotid glands
12. Sialoblastomas
13. Tier II epidemiological study conducted by Wireless Technology Research, L.C.C. under the guidelines of the Scientific Advisory Group on Cellular Telephone Research

The staff completed research on the following subjects:

1. Myofibromas of the oral cavity
2. Atypical mixed tumors
3. Mucoepidermoid carcinomas of the major salivary glands
4. Sclerosing polycystic adenosis of the major salivary glands
5. Oncocytic mucoepidermoid carcinomas

EDUCATION

The department was involved in both intramural and extramural educational endeavors. These activities included:

41st Annual Course in Oral Pathology

Attendees: 89

CME hours provided: 27

Man-days of training provided: 300

42nd Annual Course in Oral Pathology

Attendees: 65

CME hours provided: 27.3

Man-days of training provided: 222

31st Annual Course in Forensic Dentistry:

Attendees: 155

CME hours provided: 37

Man-days of training provided: 717

AFIP/CAP Wednesday Staff Conference:

Attendees: 35

CME hours provided: 1

Man-days of training provided: 4

AFIP-CPO/CPK Friday Conferences:

Attendees: 11 (on average)

CME hours provided: 13

Man-days of training provided: 18

Oral Radiographic/Histomorphologic Correlation Seminars:

Attendees: 12 (on average)

CME hours provided: 1.5

Man-days of training provided: 2.25

For Dept. of Radiologic Pathology, 6-week courses Attendees: 1,540

CME hours provided: 2

Man-days of training provided: 385

For Office of the Armed Forces Medical Examiner Advanced Forensic Pathology

Attendees: 35

CME hours provided: 1

Man-days of training provided: 4.3

For Office of the Armed Forces Medical Examiner Basic Forensic Pathology course

Attendees: 60

CME hours provided: 1

Man-days of training provided: 7.5

For Office of the Armed Forces Medical Examiner

GWU Master's Degree Program in Forensic Sciences Attendees: 20

CME hours provided: 2 Man-days of training: 5



For National Museum of Health and Medicine of the AFIP Forensic Anthropology

Attendees: 40

CME hours provided: 1 Man-days of training: 5

For AFIP's Fourth Annual Problems in Anatomic Pathology Course for Pathology Residents

Attendees: 50

CME hours provided: 3

Man-days of training: 19

For Senior Pathology Residents' Seminar

Lecture

Attendees: 65

CME hours provided: 1

Oral Pathology Slide Seminar

Attendees: 20

CME hours provided: 1

Man-days of training: 10.6

AFIP Slide Seminar, American Academy of Oral and Maxillofacial Pathology,

Colorado Springs, Colorado

Attendees: 95

CME hours provided: 3

Man-days of training: 35.6

Salivary Gland Tumors Slide Seminar, American Society of Clinical Pathologists, New Orleans

Attendees: 45

CME hours provided: 3.5

Man-days of training: 20

American Association of Military Surgeons of the United States, Anaheim, California

Attendees: 250

CME hours provided: 1

Man-days of training: 31

For Walter Reed Army Medical Center

Short Course in Oral Pathology

Attendees: 100

CME hours provided: 6

Man-days of training: 75

For National Naval Dental School

Short Course in Oral Pathology

Attendees: 80

CME hours provided: 18

Man-days of training: 180

Forensic Dental Identification Workshop

Number of times given: 4

Attendees: 165

CME hours provided: 3 to 22

Man-days of training provided: 274



In addition, the transportable forensic workshop was provided to former staff oral pathologists for 16 workshops to provide training for 100 additional dental officers.

The Registry of Oral Pathology "Case of the Month" was distributed to 144 institutions throughout the world. The ROP-COM has been recognized by The American Board of Oral Pathology as an official peer-review self-assessment program for the Continuing Competency Assurance Program.

Staff members presented 32 extramural lectures at various professional meetings, military organizations, and universities:

Attendees: varied from 4 to 250

CME hours provided: varied from 0.25 to 22

Man-days of training provided: 330

Visitors studying in the department:

Visitors: 16 (5 oral pathologists, 4 general dentists, 3 oral surgeons, and 2 general pathologists)

Length of stay in man-days: 200

Summary of training provided: 2,845 man-days

Special Projects: Work was completed on the AFIP Atlas of Tumor Pathology Fascicle on salivary glands.

OTHER ACTIVITIES

Col. Robert B. Brannon served as the registrar of the Registry of Oral Pathology, American Registry of Pathology, as chairman of the ARP's Education/Fellowship Committee, as chairman of the Research Paper Award Committee for the 2nd Annual Nationwide Senior Resident Symposium, and as a member of the AFIP's Graduate Medical Education Committee and the Research Committee at the AFIP. He was a director of The American Board of Oral and Maxillofacial Pathology and forensic dentistry consultant to Kuwaiti Ministries of Health and Interior, The National Committee for Missing and Prisoner Affairs, Department of Defense DNA Registry. He was a visiting lecturer at the Naval Dental School, National Naval Dental Center, Bethesda, Maryland.

Capt. Paul L. Auclair served as specialty advisor for forensic dentistry to the Surgeon General of the Navy, as a director of The American Board of Oral and Maxillofacial Pathology, as chairman of the AFIP's Education Committee, and as chairman of the CAP Ad Hoc Education Committee of the AFIP. He was named consultant in oral pathology to the American Dental Association Commission on Dental Accreditation. He was selected as chairman, Department of Oral Pathology, Naval Dental School, National Naval Dental Center, Bethesda, Maryland.

Dr. Gary L. Ellis served as director, secretary-treasurer, and president of The American Board of Oral and Maxillofacial Pathology, on the editorial board of the professional journals Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics and Journal of Oral Pathology and Medicine, on the Laboratory Service Committee of the American Academy of Oral and Maxillofacial Pathology, and as the representative of the American Academy of Oral and Maxillofacial Pathology and American Board of Oral and Maxillofacial Pathology to the Intersociety Pathology Council. He was chairman, Laboratory Animal Care and Use Committee at the AFIP. He was a visiting lecturer at the Naval Dental School, National Naval Dental Center, Bethesda, Maryland.

Col. Harvey P. Kessler was the consultant in forensic dentistry to the Surgeon General, U.S. Army; the Armed Forces Medical Examiner; the Medical Examiner's Office of the Government of the District of Columbia; and the Commission on Defense Forces Dental Services, Federation Dentaire Internationale. He served as a member of the Laboratory Animal Care and Use Committee, U. S. Army Institute of Dental Research.

Col. Theodore Zislis was inducted as a fellow in the International College of Dentists.

Col. Lee J. Slater served as a member of the Education Committee of the American Academy of Oral and Maxillofacial Pathology and on the editorial board of the professional journal *Oral Surgery Oral Medicine Oral Pathology Oral Radiology* and Endodontics. He was a visiting lecturer at the Naval Dental School, National Naval Dental Center, Bethesda, Maryland.

Col. Charles Pemble became director of Telemedicine at the AFIP and registrar, Telemedicine/Telepathology Program of the American Registry of Pathology. He hosted a delegation of nine officials from the People's Republic of China for a demonstration and discussion of telemedicine/telepathology and conducted the AFIP participation in the Military Telemedicine Demonstration at the Pentagon. He served as chief of Forensic Dentistry after the departure of Col. Kessler and was forensic dentistry consultant to Kuwaiti Ministries of Health and Interior, The National Committee for Missing and Prisoner Affairs, Department of Defense DNA Registry. He was a visiting lecturer at the Naval Dental School, National Naval Dental Center, Bethesda, Maryland.

Col. Robert K. Goode served as the director of education for the department and was a member of the Nominating Committee of the American Academy of Oral and Maxillofacial Pathology. He was a visiting lecturer at the Naval Dental School, National Naval Dental Center, Bethesda, Maryland.

LCDR Dale Watkins was a visiting lecturer at the Naval Dental School, National Naval Dental Center, Bethesda, Maryland.

GOALS

Our goals for this year are to: (1) provide timely, accurate, and thorough diagnostic consultations of lesions of the oral cavity, jaws, and salivary glands and continue daily sign-out conferences; (2) conduct annual courses in Oral Pathology, Forensic Dentistry, and Surgical Pathology of the Head and Neck; (3) prepare residents for a successful outcome of the certification examination of the American Board of Oral Pathology; (4) continue biweekly conferences with the Department of Otolaryngic and Endocrine Pathology and biweekly staff review and discussion of exchange study sets; and (5) complete ongoing research projects and publish and/or present results at national or international meetings.

PRESENTATIONS

1. January 1995: Bethesda, Md., residents' course in Oral Pathology, Naval Dental School, "Oral Cancer," Paul Auclair, CAPT, DC, USN.
2. January 1995: Bethesda, Md., Oral Pathology Course, Naval Medical Center, "Benign and Malignant Mesenchymal Neoplasms," Paul Auclair, CAPT, USN, DC.
3. January 1995: Bethesda, Md., Oral Pathology Course, Naval Medical Center, "Radiographic Interpretation," Harvey Kessler, COL, DC, USA.
4. January 1995: Bethesda, Md., Oral Pathology Course, Naval Medical Center, "Odontogenesis and Odontogenic Cysts," Charles Pemble, Col, USAF, DC.
5. February 1995: Lincoln, Neb., School of Dentistry, Nebraska University, "Central Odontogenic Fibroma and Cementoblastoma," Robert Brannon, Col, USAF, DC.
6. February 1995: Bethesda, Md., residents' course in Oral Pathology, Naval Dental School, "Malignant Bone Neoplasms," Dale Watkins, LCDR, DC, USN.
7. February 1994: Bethesda, Md., Oral Pathology Course, Naval Medical Center, "Clinicopathologic Conference," Robert Brannon, Col, USAF, DC.
8. February 1995: Bethesda, Md., Oral Pathology Course, Naval Medical Center, "Salivary Gland Neoplasms and Diseases," Gary Ellis, D.D.S.
9. April 1995: Washington, D.C., Problems in Anatomic Pathology, American Registry of Pathology, "Oral Pathology Seminar," Gary Ellis, D.D.S., and Paul Auclair, CAPT, DC, USN.

10. April 1995: Washington, D.C., Howard University, The Oral Cancer Society, "Premalignant Conditions of the Oral and Maxillofacial Regions," Robert Brannon, Col, USAF, DC.
11. April 1995: Washington, D.C., Walter Reed Army Medical Center, "Clinicopathologic Correlations," Theodore Zislis, COL, DC, USA.
12. April 1995: Washington, D.C., Walter Reed Army Medical Center, "Radiology of the Jaws and Odontogenic Cysts," Charles Pemble, LtCol, USAF, DC.
13. April 1995: Washington, D.C., Walter Reed Army Medical Center, "Vesiculobullous and Dermatologic Diseases," Dale Watkins, LCDR, DC, USN.
14. April 1995: Washington, D.C., Walter Reed Army Medical Center, "Clinicopathologic Conference," Lee Slater, Col, USAF, DC.
15. April 1995: Washington, D.C., Walter Reed Army Medical Center, "Pigmented Lesions of Oral Mucosa," Robert Goode, Col, USAF, DC.
16. April 1995: Washington, D.C., Walter Reed Army Medical Center, "Clinicopathologic Conference" and "A Pathologist's Perspective," Harvey Kessler, COL, DC, USA.
17. April 1995: Quantico, Va., short course in Advanced Forensic Pathology, "CAPMI, Problems in Forensic Dental Identification," Harvey Kessler, COL, DC, USA.
18. May 1995: Portsmouth, Va., Naval Hospital, "Oral Cancer, Vesiculobullous Diseases, and Malignant Bone Neoplasms," Dale Watkins, LCDR, DC, USN.
19. May 1995: Colorado Springs, Colo., American Academy of Oral and Maxillofacial Pathology. "AFIP Slide Seminar," Robert Brannon, Col, USAF, DC, Paul Auclair, CAPT, DC, USN, Gary Ellis, D.D.S., Harvey Kessler, COL, DC, USA, Lee Slater, Col, USAF, DC, Charles Pemble, LtCol, USAF, DC, Robert Goode, Col, USAF, DC, Theodore Zislis, COL, DC, USA, and Dale Watkins, LCDR, DC, USN.
20. May 1995: Colorado Springs, Colo., American Academy of Oral and Maxillofacial Pathology. "Case Presentation, Clinical Pathologic Conference," Harvey Kessler, COL, DC, USA.
21. May 1995: Colorado Springs, Colo., American Academy of Oral and Maxillofacial Pathology, Indiana University Alumni Seminar, "Dedifferentiated Acinic Cell Carcinoma," Lee Slater, Col, USAF, DC.
22. May 1995: Colorado Springs, Colo., American Academy of Oral and Maxillofacial Pathology, Emory University Alumni Seminar, "Granular Cell Odontogenic Fibroma," Robert Goode, Col, USAF, DC.
23. May 1995: Fargo, N.D., North Dakota VA Dental Society, "Forensic Dentistry Workshop," Theodore Zislis, COL, DC, USA
24. June 1995: Washington, D.C., GWU Master's Degree Program in Forensic Sciences, Office of the Chief Medical Examiner, Department of Human Services, Government of the District of Columbia, "Forensic Dentistry," Harvey Kessler, COL, DC, USA.
25. June 1995: Dundee, Scotland, Department of Forensic Medicine, University of Dundee, Dundee Royal Infirmary, "Forensic Dental Identification Workshop," Harvey Kessler, COL, DC, USA.
26. June 1995: Bethesda, Md., Uniformed Services University for the Health Sciences, short course in Forensic Anthropology, "Forensic Dentistry," Harvey Kessler, COL, DC, USA.
27. June 1995: Washington, D.C., Bolling AFB, General Practice Residency Program, "Oral Cancer," Robert Goode, Col, USAF, DC.
28. September 1995: Ft. Hood, Texas, "Forensic Dentistry/Oral Pathology Workshop," Theodore Zislis, COL, DC, USA.
29. September 1995: Banff, Alberta, Canada, Western Society of Teachers of Oral Pathology, "Case Presentation," Lee Slater, Col, USAF, DC.
30. September 1995: Washington, D.C., National Senior Residents Symposium, American Registry

of Pathology, "Benign Lymphoepithelial Lesion: Does It Really Exist?," Gary Ellis, D.D.S.

31. September 1995: New Orleans, La., American Society of Clinical Pathologists, "Salivary Gland Tumors," Gary Ellis, D.D.S.
32. October 1995: Richmond, Va., Eastern Society of Teachers of Oral Pathology, "Case Presentations," Robert Brannon, Col, USAF, DC, Lee Slater, Col, USAF, DC, Robert Goode, Col, USAF, DC.
33. October 1995: Rockville, Md., short course in Basic Forensic Pathology, "Forensic Dentistry," Harvey Kessler, COL, DC, USA.
34. October 1995: Anaheim, Calif., American Association of Military Surgeons of the U.S., "New Technologies in Diagnostic Pathology," Gary Ellis, D.D.S.
35. November 1995: Washington, D.C., Bolling AFB, "Forensic Dentistry," Robert Goode, Col, USAF, DC.
36. November 1995: Ft. Bragg, N.C., "Forensic Dentistry/Oral Pathology Workshop," Theodore Zislis, COL, DC, USA.
37. November 1995: Washington, D.C., Howard University School of Medicine, "Oral Cancer," Robert Brannon, Col, USAF, DC.
38. December 1995: New Orleans, La., School of Dentistry, Louisiana State University, "New Information on Selected Odontogenic Tumors," Robert Brannon, Col, USAF, DC.
39. December 1995: RAF Lakenheath, England, 48th USAF Medical Group Dental Clinic, "Differential Diagnosis of Oral Lesions by Site, Color and Surface Morphology and Oral Manifestations of HIV Infection," Robert Goode, Col, USAF, DC.

PUBLICATIONS

1. Smith B, Ellis GL, Meis-Kindblom JM, Williams SB. Ectomesenchymal chondromyxoid tumor of the anterior tongue: nineteen cases of a new clinical/pathologic entity. *Am J Surg Pathol.* 1995;19:519-530.
2. Shick PC, Riordan GP, Foss RD. Estrogen and progesterone receptors in salivary gland adenoid cystic carcinoma. *Oral Surg Oral Med Oral Pathol.* 1995;80:440-444.
3. Willard CC, Foss RD, Hobbs TJ, Auclair PL. Primary anaplastic large cell (Kl-1 positive) lymphoma of the mandible as the initial manifestation of acquired immunodeficiency syndrome in a pediatric patient. *Oral Surg Oral Med Oral Pathol.* 1995;80:67-70.
4. Childers ELB, Auclair PL. Oral manifestations of systemic lupus erythematosus. In: Antonovich TT, ed. *Pathology of Systemic Lupus Erythematosus*. Washington, DC: Armed Forces Institute of Pathology, American Registry of Pathology; 1995:59-72.
5. Slater LJ. Fibro-osseous lesions. *Oral & Maxillofacial Surgery Knowledge Update, Home Study Program*. American Association of Oral and Maxillofacial Surgeons; 1995:1:33-47.

In addition, five items are in press.

Abstracts

1. Willard C, Brannon R. Oncocytic mucoepidermoid carcinoma: report of three cases. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* 1995;80:451.
2. Giuliani M, Sciubba J, Brannon R. Benign ductal papillary tumors of minor salivary gland origin. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* 1995;80:451.